

ABSTRACT

An improved circular knitting machine aims to provide an improved structure and installation for cams. It includes a saddle plate forming an angle to the horizontal surface with
5 the cams mounting thereon in an inclined manner, and a sinker drum surrounded by the saddle plate. The sinker drum has an inclined surface formed in a continuous circular ring in the shape of a conical shallow tray so that the sinker drum has a concave surface. The sinker drum has sinker troughs formed
10 thereon for housing sinkers in an inclined manner. The cam has one end fastened to the saddle plate in an inclined manner and the other end forming a convex surface to be in contact with the concave surface. The cam has a driving path formed on the bottom side thereof to allow the sinkers to be movable
15 therein. The sinker drum may be rotated to drive the sinkers to move smoothly in the cam.